



“Fruit Facts” – Wednesday, June 26th, 2024
Mario Miranda Sazo, Janet van Zoeren and Anya Osatuke

Spotted wing drosophila on the rise in western NY region

Spotted wing drosophila populations are on the rise. We are now catching up to 10 SWD per trap, and expect those numbers to increase exponentially. Be sure to begin regular management as soon as swd are present on the farm and fruit begin to ripen.

- For blueberry plantings, begin sprays as soon as 20% of the green fruit develop a pink blush.
- For raspberries and blackberries, begin sprays as soon as blushed fruit appear in the planting.
- Consider a preventative spray program for late-season strawberries, such as 'AC Valley Sunset' or 'Malwina'.

[Click here for updated spray charts for berry crops](#), or [here for the updated spray chart for cherries](#).

Note that the Weekly Berry Office Hours take place today **Wednesday, June 26** from 8:30am – 9:00am! Join Zoom Meeting:
<https://cornell.zoom.us/j/96295205493?pwd=d1RwWFBuN2VKbHFtMWNQZGVRUK5TQT09>

Meeting ID: 962 9520 5493

Passcode: 12345

One tap mobile

+16468769923,,96295205493# US (New York)

Tomorrow is the **LAST 2024 Virtual Orchard Meetup**
Last Invited Speaker is Dr. Ken Shackel from UC Davis
‘Water Wisdom: Navigating Tree Fruit Production Through Drought and Deluge’
Last meetup is tomorrow Thursday on June 27
7:00 PM (EDT)

Tomorrow night, Dr. Ken Shackel (UC Davis) will start the conversation with a short irrigation talk. His presentation will be followed by a live conversation with the previous speakers (Cornell Professor Emeritus Dr. Alan Lakso has confirmed his participation) and several more previous speakers/invited grower panelists will be there tomorrow night.

To join, simply go to [the Meet-Up Zoom Site](#)

<https://treefruit.wsu.edu/event/2023-virtual-orchard-meetup-summer-series-managing-the-uncontrollable/2024-06-06/>. If you can't access, copy and paste the URL in your browser. <https://bit.ly/2024-virtual-meetup>

Topics

- [JUNE 27: Water Wisdom Unplugged: Panelist Q&A](#)

Tomorrow: Tree Fruit and Small Fruit Twilight Meeting **on Thursday, June 27 in Penn Yan, 6:30pm start for Food Safety Q&A**

Join specialists Anya Osatuke, Janet Van Zoeren, and Robert Haddad for a conversation about fruit and berry phenology and pest management and food safety.

This series of monthly meetings will examine seasonal changes in tree fruit and berry crops, demonstrate scouting techniques, and discuss integrative pest management solutions to maximize the health and productivity of berry and fruit plantings. Robert Haddad joins us to cover food safety for berry and fruit growers, from water testing to food packaging.

Meetings will now be held from 6:30PM – 8:30PM on the last Thursday of every month, from April through July. Attendees are encouraged to bring pictures or descriptions of pests they are concerned about on their farm.

1.5 DEC credits will be offered in categories 1a, 10, and 22. Please arrive at 6:30PM to sign-in for DEC credits.

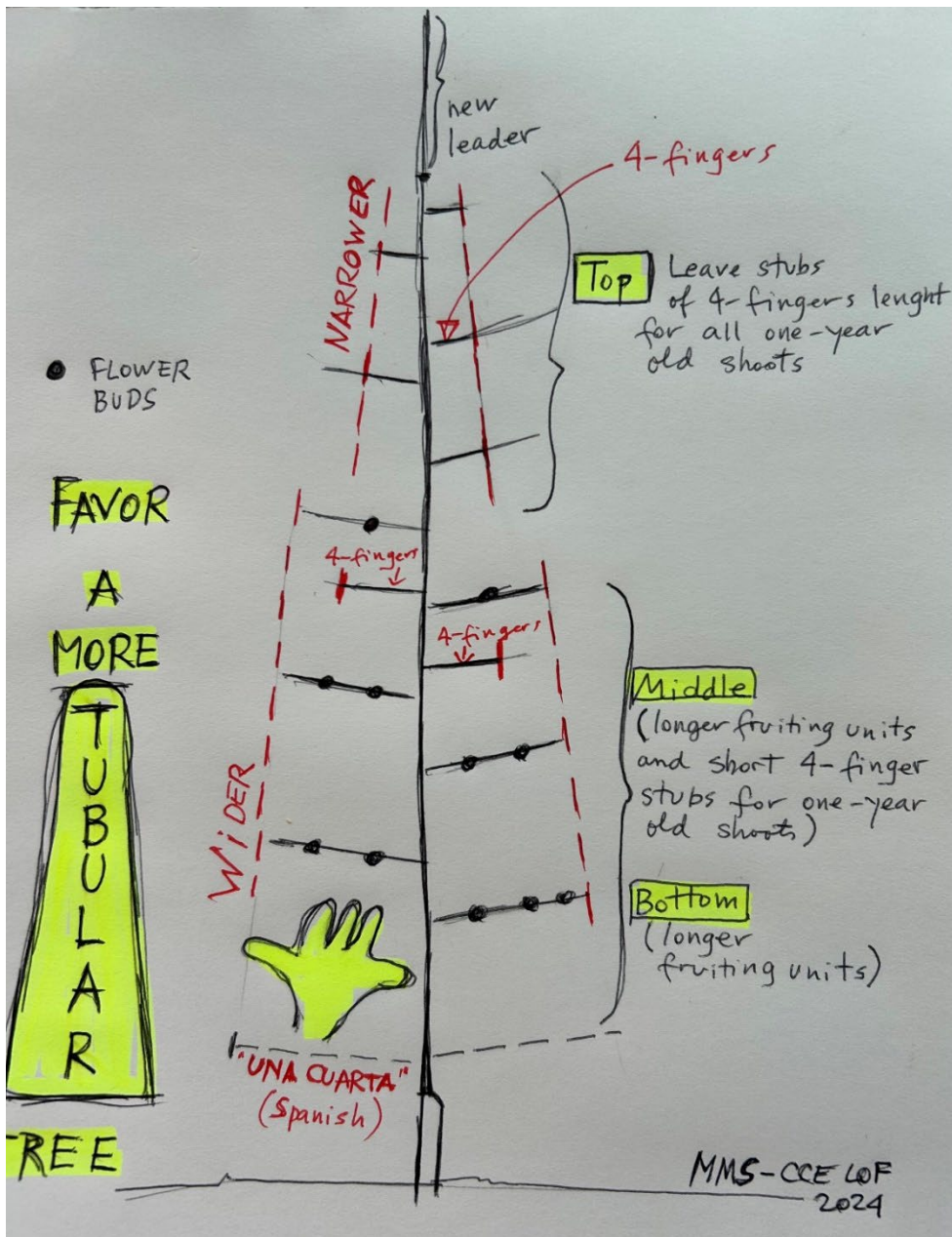
Thursday, June 27, 2024, 6:30PM – 8:30 PM

Lakeview Apple Orchards, 2336 Barnes Rd., Penn Yan

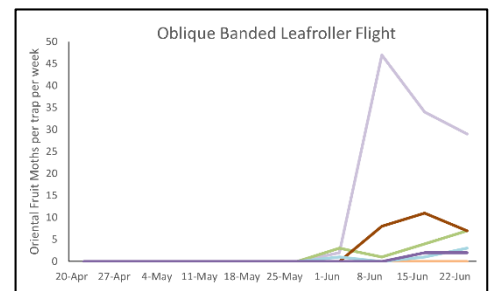
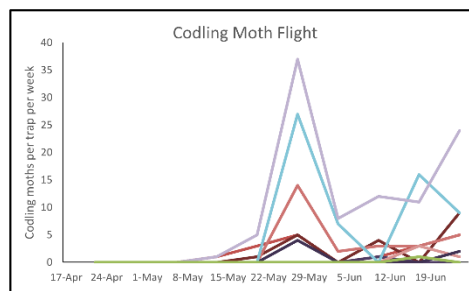
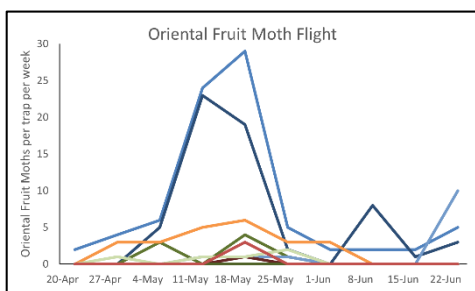
This event is free to attend, and no pre-registration is required. Pizza and refreshments provided by Valent. Questions? Please contact aco56@cornell.edu

To Do Today

- **Don't forget to mark your calendar and plan to attend the third 2024 virtual orchard meetup tomorrow **Thursday June 27 at 7pm EST**.** We have secured the participation of one last excellent speaker (Dr. Ken Shackel) to start the conversation with all invited speakers from previous meetups and several invited grower panelists.
- **The heat wave is over and now you can continue the third or fourth return bloom sprays the rest of this week.**
- **Avoid heat-induced injuries:** I would like to remind you about the dangers of working in hot and humid conditions when working in the orchards. Please be sure your orchard workers are well hydrated and can take breaks under the shade during the day.
- **The call for irrigation is still valid this week!** We have started the phase of cell expansion and water shortages at this point can be critic and hard to recover later on the season. Irrigate if you have trickle installed.
- **With this hot weather watch irrigation needs also for new plantings:** New plantings can stop growth if irrigation is not applied (if available at your farm). Please remember that irrigation is an essential tool for maximum tree growth on new plantings.
- **Frequency of irrigation depends on soil type:** With sandy soils, water should be added either daily or every 2 days. With silt or clay soils, the daily amount of water needed can be added up for several days.
- **Remember, if irrigation fails, fails nutrition.**
- **Now is the time to prune one year old shoots in the orchard and nursery:** For almost any grafted orchard (side-grafted, top-worked, or beaver-grafted), green or 'ellepot' trees planted last 2023 summer, plant-in-place projects (budded or bench-grafted trees established in previous seasons), and for the 'grow-through' apple tree production method at your own farm nursery, you can now prune the one-year old shoots and leave them with a stub of 4-fingers length (for all at the top and some in the middle of the tree, see pics). Leave a longer fruiting unit especially at the bottom of the tree if they have 2-3 flower buds. Use your own hand or 'una cuarta' in the Spanish language (shown in the drawing) to guide the length of the pruning cut. The fruitful fruiting units after this type of pruning should be 12-16 inches length (according to the in-row spacing or the space between leaders/root if it's a high density grafted orchard). Favor/produce a more tubular type of tree via pruning now.



- **If you plan to spray glyphosate yet this year, do so now!** Mid to late summer applications of glyphosate may damage the trees, as apples will begin to translocate energy back into their roots sometime following the summer solstice. As a rule of thumb, I recommend you get glyphosate applications on before June 21st, but you can get away with applying this week as late as July 4th.
- **Summer diseases** such as **sooty blotch and flyspeck, black rot, white rot and bitter rot** are now a main focus as we move into mid-summer.
 - Products that are effective for SBFS, and black, white, and bitter rots include **Flint Extra, Inspire Super, Luna Sensation, Merivon, Pristine, and Sovran**.
 - Aprovia, Cevya and Double Nickle also help manage SBFS.
 - **In general, fungicide covers for the rots go on every 14-21 days.**
- **Continue to manage powdery mildew.** Some options for PM control include Flint extra, Inspire Super, Luna Sensation, Merivon, Miravis, Rally, and others.
- **Apple scab** foliar and fruit symptoms are now showing up on many farms, and in some places are causing significant economic damage. **Scout your blocks now**, and keep a map of where you see scab symptoms so you know where to focus management efforts throughout the summer. Products that will help control both scab and powdery mildew include **Inspire Super, Merivon and Luna Sensation. Captan** in the mix will help do double duty on scab.
- **Fire blight** blossom blight and shoot blight symptoms are present in some blocks. Prune strikes out **on a dry day**, and consider Cueva/Double Nickel to prevent further spread. Prohexadione calcium (apogee, kudox) applied **prior** to pruning will help to thicken cell walls, and to mitigate excessive shoot elongation due to summer pruning when removing FB shoots. Contact me if you'd like a sample sent in for resistance testing, or if you'd like to discuss fire blight management options for your orchard blocks.
- **Wolly apple aphid** can be controlled by Sefina, Sivanto, Venerate or Versys at this timing. Coverage is critical so drive slow and use a high gallons per acre. Products with efficacy on WAA will also help control any green or rosy apple aphids that happen to be feeding on water sprouts or other fresh growth.
- **Mites are present** in many orchards. Scout the underside of leaves to catch population increases now. If you find high populations, there are a bunch of highly effective products you can use: Agri-Mek, Apollo, Onager, Savey, Zeal, Kanemite, Nexter, Portal, Acramite, Envidor, Nealta, Banter, etc.
- **Oblique banded leafroller** management window is this week. **Consider applying a larvicide (i.e. Altacor, Besiege, Delegate, Intrepid, Lannate, Proclaim or Verdepryn).** Codling moth and Oriental fruit moth second generation flights are just beginning.



Pear

- **Fabraea leaf spot.** If you have had Fabraea in your peach block previously (note Bosc is especially susceptible), you will want to keep trees covered now through July 4th. Options include Topsin M, Ziram, Manzate and Syllit.

Stone Fruit

- Manage for **SWD and other cherry fruit flies** in cherry orchards. View the [quick guide of products used for cherry fruit flies and swd](#) and remember to rotate modes of action!
- **Peach Diseases (rusty spot, bacterial spot, brown rot)**: Captan, Miravis, Inspire Super, and Merivon will control brown rot and peach scab. Be sure to rotate active ingredients to delay resistance. The addition of a copper (i.e. Cueva) will help blocks with a history of bacterial spot.
- **Oriental fruit moth** first generation flight is over. No action required at this time.

Berries

- Strawberry harvest is getting close to its end, getting pushed along faster due to the hot temperatures and sporadic rainfall. Evaluate berry patches for sap beetles and spotted wing drosophila, anthracnose fruit rot, and physiological issues such as reduced sweetness and sunscald.
- Scout new strawberry plantings for two spotted spider mite, especially if your field has not received much rain during the heat wave.
- Spotted wing drosophila are showing up earlier than usual in our region, making this a high pressure year. For blueberries, begin sprays as soon as 20% of the green fruit develop a pink blush. For raspberries and blackberries, begin sprays as soon as blushed fruit appear in the planing. Consider a preventative spray program for late-season strawberries, such as 'AC Valley Sunset' or 'Malwina'. Consider a cover spray over unharvested strawberries to prevent the pest from spreading to other crops. [Click here for updated spray charts for berry crops.](#)

On the Horizon

Getting closer to the 55-60 gr/fruit for Honeycrisp sample collection for peel sap analysis – stay tuned!

Seeding of sudangrass should be on your radar and close to be completed this weekend: I am aware some growers already seeded this summer grass more than 10-14 days ago! Well done!

Plan on getting your blueberry nitrogen fertilizer application completed by the 4th of July.

July is a good time to collect foliar samples for evaluating nutrient needs of berry patches for optimizing next season's growth and yields. Instructions on submitting a foliar sample can be found [at this link](#). If submitting to Dairy One, submission form [can be found at this link](#).

Every effort has been made to provide correct, complete, and up-to-date pesticide recommendations. Nevertheless, changes in pesticide regulations occur constantly, and human errors are still possible. These recommendations are not a substitute for pesticide labeling. Please read the label before applying any pesticide. Copyright 2024. All rights reserved. No part of this material may be reproduced or redistributed by any means without permission. Cornell Cooperative Extension provides equal program and employment opportunities.

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